David A Hood

List of Publications by Year
in descending order

202 papers	18,080 citations	25014 57 h-index	12933 131 g-index
206 all docs	206 docs citations	206 times ranked	27358 citing authors

#	Article	IF	Citations
1	Mitochondrial protein import and UPRmt in skeletal muscle remodeling and adaptation. Seminars in Cell and Developmental Biology, 2023, 143, 28-36.	2.3	9
2	Measurement of Protein Import Capacity of Skeletal Muscle Mitochondria. Journal of Visualized Experiments, 2022, , .	0.2	0
3	Timeâ€dependent changes in autophagy, mitophagy and lysosomes in skeletal muscle during denervationâ€induced disuse. Journal of Physiology, 2022, 600, 1683-1701.	1.3	21
4	p53 regulates skeletal muscle mitophagy and mitochondrial quality control following denervation-induced muscle disuse. Journal of Biological Chemistry, 2022, 298, 101540.	1.6	21
5	Regulatory networks coordinating mitochondrial quality control in skeletal muscle. American Journal of Physiology - Cell Physiology, 2022, 322, C913-C926.	2.1	21
6	The importance of TP53/p53 in regulating the mitophagy-lysosomal machinery in muscle following disuse. , 2022, 1, 75-78.		0
7	The Role of ATF5 in Mitochondrial Maintenance, Biogenesis and UPR ^{mt} Signaling Following Acute Exercise in Skeletal Muscle. FASEB Journal, 2022, 36, .	0.2	0
8	Role of TFE3 in Mitochondrial Adaptations to Skeletal Muscle Disuse. FASEB Journal, 2022, 36, .	0.2	0
9	Exercise mimicry: Characterization of nutraceutical agents that may contribute to mitochondrial homeostasis in skeletal muscle. FASEB Journal, 2022, 36, .	0.2	0
10	A Reduction in Tafazzin Decreases Mitochondrial Function in C2C12 Myotubes. FASEB Journal, 2022, 36, .	0.2	0
11	Determining the role of ATF4 in the regulation of mitochondrial remodeling during myotube differentiation and contractile activity. FASEB Journal, 2022, 36, .	0.2	0
12	The influence of age, sex, and exercise on autophagy, mitophagy, and lysosome biogenesis in skeletal muscle. Skeletal Muscle, 2022, 12, .	1.9	20
13	Exercise and mitochondrial health. Journal of Physiology, 2021, 599, 803-817.	1.3	131
14	Manifestations of Age on Autophagy, Mitophagy and Lysosomes in Skeletal Muscle. Cells, 2021, 10, 1054.	1.8	21
15	Exercise Is Muscle Mitochondrial Medicine. Exercise and Sport Sciences Reviews, 2021, 49, 67-76.	1.6	13
16	Mitochondrial Bioenergetics and Turnover during Chronic Muscle Disuse. International Journal of Molecular Sciences, 2021, 22, 5179.	1.8	27
17	One Bout of Aerobic Exercise Elicits Alterations in The Expression of Mitochondrial Unfolded Protein Response (UPRmt) Markers in Skeletal Muscle. FASEB Journal, 2021, 35, .	0.2	0
18	Examining interindividual differences in select muscle and wholeâ€body adaptations to continuous endurance training. Experimental Physiology, 2021, 106, 2168-2176.	0.9	11

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19	Human cardiac ischemiaâ€reperfusion injury: Blunted stress response with age. Journal of Cardiac Surgery, 2021, 36, 3643-3651.	0.3	2
20	Effect of rapamycin on mitochondria and lysosomes in fibroblasts from patients with mtDNA mutations. American Journal of Physiology - Cell Physiology, 2021, 321, C176-C186.	2.1	10
21	Looking beyond PGC-1Î±: emerging regulators of exercise-induced skeletal muscle mitochondrial biogenesis and their activation by dietary compounds. Applied Physiology, Nutrition and Metabolism, 2020, 45, 11-23.	0.9	39
22	The intersection of exercise and aging on mitochondrial protein quality control. Experimental Gerontology, 2020, 131, 110824.	1.2	28
23	Altered Expression of Mitoferrin and Frataxin, Larger Labile Iron Pool and Greater Mitochondrial DNA Damage in the Skeletal Muscle of Older Adults. Cells, 2020, 9, 2579.	1.8	18
24	Molecular Basis for the Therapeutic Effects of Exercise on Mitochondrial Defects. Frontiers in Physiology, 2020, 11, 615038.	1.3	9
25	Lysosomal Alterations in Skeletal Muscle Plasticity â€“ An Investigation of Age, Exercise and Disuse. FASEB Journal, 2020, 34, 1-1.	0.2	0
26	Enhanced Mitochondrial Turnover in Aged Human Right Atrial Tissue. FASEB Journal, 2020, 34, 1-1.	0.2	0
27	Mitophagy Regulation in Skeletal Muscle: Effect of Endurance Exercise and Age. Journal of Science in Sport and Exercise, 2019, 1, 228-236.	0.4	2
28	Exercise is mitochondrial medicine for muscle. Sports Medicine and Health Science, 2019, 1, 11-18.	0.7	13
29	Maintenance of Skeletal Muscle Mitochondria in Health, Exercise, and Aging. Annual Review of Physiology, 2019, 81, 19-41.	5.6	300
30	Mitochondrial breakdown in skeletal muscle and the emerging role of the lysosomes. Archives of Biochemistry and Biophysics, 2019, 661, 66-73.	1.4	26
31	Regulation of autophagic and mitophagic flux during chronic contractile activity-induced muscle adaptations. Pflugers Archiv European Journal of Physiology, 2019, 471, 431-440.	1.3	24
32	Mitochondrial Quality Control Regulation by p53 During Disuseâ€Induced Atrophy. FASEB Journal, 2019, 33, 537.3.	0.2	0
33	The Effect of Chronic Contractile Activity and Retinoic Acid on Mitochondrial Turnover in C2C12 Myotubes. FASEB Journal, 2019, 33, 537.7.	0.2	0
34	Hindlimb Denervation Alters the Regulation of Autophagy and Mitophagy. FASEB Journal, 2019, 33, 700.14.	0.2	0
35	Application of Chronic Stimulation to Study Contractile Activity-induced Rat Skeletal Muscle Phenotypic Adaptations. Journal of Visualized Experiments, 2018, , .	0.2	1
36	A systematic review of p53 regulation of oxidative stress in skeletal muscle. Redox Report, 2018, 23, 100-117.	1.4	151

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37	Role of Parkin and endurance training on mitochondrial turnover in skeletal muscle. Skeletal Muscle, 2018, 8, 10.	1.9	76
38	Exercise induces TFEB expression and activity in skeletal muscle in a PGC-1Î±-dependent manner. American Journal of Physiology - Cell Physiology, 2018, 314, C62-C72.	2.1	77
39	The Role of p53 in Determining Mitochondrial Adaptations to Endurance Training in Skeletal Muscle. Scientific Reports, 2018, 8, 14710.	1.6	21
40	Autophagy and mitophagy flux in young and aged skeletal muscle following chronic contractile activity. Journal of Physiology, 2018, 596, 3567-3584.	1.3	100
41	Effect of Tim23 knockdown in vivo on mitochondrial protein import and retrograde signaling to the UPR^{mt}in muscle. American Journal of Physiology - Cell Physiology, 2018, 315, C516-C526.	2.1	21
42	Contractile activity attenuates autophagy suppression and reverses mitochondrial defects in skeletal muscle cells. Autophagy, 2018, 14, 1886-1897.	4.3	39
43	Parkin is required for exercise-induced mitophagy in muscle: impact of aging. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E404-E415.	1.8	73
44	Effect of contractile activity on PGC-1Î± transcription in young and aged skeletal muscle. Journal of Applied Physiology, 2018, 124, 1605-1615.	1.2	28
45	The unfolded protein response in relation to mitochondrial biogenesis in skeletal muscle cells. American Journal of Physiology - Cell Physiology, 2017, 312, C583-C594.	2.1	20
46	Regulation of the autophagy system during chronic contractile activity-induced muscle adaptations. Physiological Reports, 2017, 5, e13307.	0.7	25
47	Impact of Aging and Exercise on Mitochondrial Quality Control in Skeletal Muscle. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-16.	1.9	105
48	Unravelling the mechanisms regulating muscle mitochondrial biogenesis. Biochemical Journal, 2016, 473, 2295-2314.	1.7	124
49	Commentaries on Viewpoint: The rigorous study of exercise adaptations: Why mRNA might not be enough. Journal of Applied Physiology, 2016, 121, 597-600.	1.2	6
50	The role of Nrf2 in skeletal muscle contractile and mitochondrial function. Journal of Applied Physiology, 2016, 121, 730-740.	1.2	65
51	Chronology of UPR activation in skeletal muscle adaptations to chronic contractile activity. American Journal of Physiology - Cell Physiology, 2016, 310, C1024-C1036.	2.1	45
52	Function of specialized regulatory proteins and signaling pathways in exercise-induced muscle mitochondrial biogenesis. Integrative Medicine Research, 2016, 5, 187-197.	0.7	33
53	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
54	The regulation of autophagy during exercise in skeletal muscle. Journal of Applied Physiology, 2016, 120, 664-673.	1.2	91

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55	The role of mitochondrial fusion and fission in skeletal muscle function and dysfunction. Frontiers in Bioscience - Landmark, 2015, 20, 157-172.	3.0	34
56	The regulation of mitochondrial transcription factor A (Tfam) expression during skeletal muscle cell differentiation. Bioscience Reports, 2015, 35, .	1.1	31
57	Role of PGC-1Î± during acute exercise-induced autophagy and mitophagy in skeletal muscle. American Journal of Physiology - Cell Physiology, 2015, 308, C710-C719.	2.1	213
58	Exercise and the Regulation of Mitochondrial Turnover. Progress in Molecular Biology and Translational Science, 2015, 135, 99-127.	0.9	37
59	PGC-1Î± modulates denervation-induced mitophagy in skeletal muscle. Skeletal Muscle, 2015, 5, 9.	1.9	136
60	Mitochondria, Muscle Health, and Exercise with Advancing Age. Physiology, 2015, 30, 208-223.	1.6	133
61	Effect of denervation on the regulation of mitochondrial transcription factor A expression in skeletal muscle. American Journal of Physiology - Cell Physiology, 2015, 309, C228-C238.	2.1	29
62	Effect of p53 on mitochondrial morphology, import, and assembly in skeletal muscle. American Journal of Physiology - Cell Physiology, 2015, 308, C319-C329.	2.1	31
63	Parkin and its Role in Skeletal Muscle Function. FASEB Journal, 2015, 29, 821.3.	0.2	0
64	Relationships between Exercise, Mitochondrial Biogenesis and Type 2 Diabetes. Medicine and Sport Science, 2014, 60, 48-61.	1.4	27
65	Recent advances in mitochondrial turnover during chronic muscle disuse. Integrative Medicine Research, 2014, 3, 161-171.	0.7	28
66	Multiple signaling pathways regulate contractile activity-mediated PGC-1Î± gene expression and activity in skeletal muscle cells. Physiological Reports, 2014, 2, e12008.	0.7	52
67	p53 is necessary for the adaptive changes in cellular milieu subsequent to an acute bout of endurance exercise. American Journal of Physiology - Cell Physiology, 2014, 306, C241-C249.	2.1	64
68	Oxidative stress-induced mitochondrial fragmentation and movement in skeletal muscle myoblasts. American Journal of Physiology - Cell Physiology, 2014, 306, C1176-C1183.	2.1	87
69	Cytoskeletal regulation of mitochondrial movements in myoblasts. Cytoskeleton, 2014, 71, 564-572.	1.0	20
70	Mitochondrial integrity is impaired in MELAS patients (LB164). FASEB Journal, 2014, 28, LB164.	0.2	0
71	The effects of chronic muscle use and disuse on cardiolipin metabolism. Journal of Applied Physiology, 2013, 114, 444-452.	1.2	24
72	Acute exercise induces tumour suppressor protein p53 translocation to the mitochondria and promotes a p53â€“Tfamâ€“mitochondrial DNA complex in skeletal muscle. Journal of Physiology, 2013, 591, 3625-3636.	1.3	113

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73	Endurance training ameliorates the metabolic and performance characteristics of circadianClockmutant mice. Journal of Applied Physiology, 2013, 114, 1076-1084.	1.2	48
74	Adaptive plasticity of autophagic proteins to denervation in aging skeletal muscle. American Journal of Physiology - Cell Physiology, 2013, 304, C422-C430.	2.1	130
75	Expression of mitochondrial fission and fusion regulatory proteins in skeletal muscle during chronic use and disuse. Muscle and Nerve, 2013, 48, 963-970.	1.0	135
76	Sirtuin 1-mediated Effects of Exercise and Resveratrol on Mitochondrial Biogenesis. Journal of Biological Chemistry, 2013, 288, 6968-6979.	1.6	134
77	Altered mitochondrial morphology and defective protein import reveal novel roles for Bax and/or Bak in skeletal muscle. American Journal of Physiology - Cell Physiology, 2013, 305, C502-C511.	2.1	25
78	Muscle mitochondrial ultrastructure: new insights into morphological divergences. Journal of Applied Physiology, 2013, 114, 159-160.	1.2	5
79	Regulation of Tfam expression at the onset of muscle disuse. FASEB Journal, 2013, 27, 940.4.	0.2	0
80	Expression of sestrins in skeletal muscle with acute exercise and aging. FASEB Journal, 2013, 27, 939.8.	0.2	0
81	The regulation of mitochondrial movement within muscle cells. FASEB Journal, 2013, 27, 1202.3.	0.2	0
82	Denervation-induced mitochondrial dysfunction and autophagy in skeletal muscle of apoptosis-deficient animals. American Journal of Physiology - Cell Physiology, 2012, 303, C447-C454.	2.1	83
83	mRNA stability as a function of striated muscle oxidative capacity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 303, R408-R417.	0.9	17
84	Mitochondrial Dysregulation in the Pathogenesis of Diabetes: Potential for Mitochondrial Biogenesis-Mediated Interventions. Experimental Diabetes Research, 2012, 2012, 1-16.	3.8	94
85	Contractile activity-induced mitochondrial biogenesis and mTORC1. American Journal of Physiology - Cell Physiology, 2012, 303, C540-C547.	2.1	34
86	The role of SirT1 in muscle mitochondrial turnover. Mitochondrion, 2012, 12, 5-13.	1.6	44
87	Plasticity of TOM complex assembly in skeletal muscle mitochondria in response to chronic contractile activity. Mitochondrion, 2012, 12, 305-312.	1.6	14
88	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
89	Commentaries on Viewpoint: Does SIRT1 determine exercise-induced skeletal muscle mitochondrial biogenesis: differences between in vitro and in vivo experiments?. Journal of Applied Physiology, 2012, 112, 929-930.	1.2	2
90	The importance of PGC-1Î± in contractile activity-induced mitochondrial adaptations. American Journal of Physiology - Endocrinology and Metabolism, 2011, 300, E361-E371.	1.8	78

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91	Mechanisms of Exerciseâ€induced Mitochondrial Biogenesis in Skeletal Muscle: Implications for Health and Disease. , 2011, 1, 1119-1134.		79
92	Effects of endurance training on apoptotic susceptibility in striated muscle. Journal of Applied Physiology, 2011, 110, 1638-1645.	1.2	32
93	Role of p53 Within the Regulatory Network Controlling Muscle Mitochondrial Biogenesis. Exercise and Sport Sciences Reviews, 2011, 39, 199-205.	1.6	46
94	Effect of denervation-induced muscle disuse on mitochondrial protein import. American Journal of Physiology - Cell Physiology, 2011, 300, C138-C145.	2.1	50
95	Autophagy signaling following denervationâ€induced muscle disuse in young and old animals. FASEB Journal, 2011, 25, 1106.5.	0.2	0
96	Mitochondrial protein import in muscle of p53 wildtype (WT) and knockout (KO) mice. FASEB Journal, 2011, 25, 1104.3.	0.2	0
97	Alterations in mitochondrial fission and fusion proteins with chronic muscle use and disuse. FASEB Journal, 2011, 25, 1106.3.	0.2	0
98	Importance of fiber type and contractile activity to autophagic protein expression in cardiac and skeletal muscle. FASEB Journal, 2011, 25, 1107.5.	0.2	0
99	Mitochondrial biogenesis elicited by chronic contractile activity with mTORC1 inhibition. FASEB Journal, 2011, 25, 1059.13.	0.2	0
100	Influence of contractile activityâ€induced intracellular signaling on PGCâ€1Î± activity in muscle cells. FASEB Journal, 2011, 25, 1105.22.	0.2	0
101	Mitochondrial dysfunction is associated with a pro-apoptotic cellular environment in senescent cardiac muscle. Mechanisms of Ageing and Development, 2010, 131, 79-88.	2.2	43
102	Regulation of PPAR<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:miÎ³</mml:mi></mml:math>Coactivator-1<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:miÎ±</mml:mi></mml:math>Function and Expression in Muscle: Effect of Exercise. PPAR Research, 2010, 2010, 1-7.	1.1	23
103	Effect of chronic contractile activity on mRNA stability in skeletal muscle. American Journal of Physiology - Cell Physiology, 2010, 299, C155-C163.	2.1	41
104	Biogenesis of the mitochondrial Tom40 channel in skeletal muscle from aged animals and its adaptability to chronic contractile activity. American Journal of Physiology - Cell Physiology, 2010, 298, C1308-C1314.	2.1	32
105	Effect of Age on the Processing and Import of Matrix-Destined Mitochondrial Proteins in Skeletal Muscle. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2010, 65A, 138-146.	1.7	25
106	Transcriptional and post-transcriptional regulation of mitochondrial biogenesis in skeletal muscle: Effects of exercise and aging. Biochimica Et Biophysica Acta - General Subjects, 2010, 1800, 223-234.	1.1	141
107	Quantification of dynamic mitochondrial morphologies in myoblasts. FASEB Journal, 2010, 24, 989.21.	0.2	0
108	Muscleâ€Specific Disruption of Sirt1 Reduces Mitochondrial Function and Increases Reactive Oxygen Species Production. FASEB Journal, 2010, 24, 987.6.	0.2	0

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109	Voluntary aerobic exercise attenuates oxidative stressâ€induced apoptotic signalling in cardiac muscle. FASEB Journal, 2010, 24, 806.8.	0.2	0
110	Skeletal muscle apoptosis following 7 days of denervationâ€induced muscle disuse. FASEB Journal, 2010, 24, 1044.4.	0.2	0
111	The effects of contractile activity on mitochondrial adaptations in PGCâ€1alphaâ€deficient muscle cells. FASEB Journal, 2010, 24, .	0.2	0
112	Regulation of p53 mRNA by AMP Kinase (AMPK) activation in C2C12 myoblasts. FASEB Journal, 2010, 24, 989.13.	0.2	0
113	Regulation of Tfam mRNA stability in skeletal muscle fiber types. FASEB Journal, 2010, 24, 989.14.	0.2	0
114	Role of p53 in mitochondrial biogenesis and apoptosis in skeletal muscle. Physiological Genomics, 2009, 37, 58-66.	1.0	159
115	Effect of thyroid hormone on mitochondrial properties and oxidative stress in cells from patients with mtDNA defects. American Journal of Physiology - Cell Physiology, 2009, 296, C355-C362.	2.1	43
116	Denervation-induced oxidative stress and autophagy signaling in muscle. Autophagy, 2009, 5, 230-231.	4.3	62
117	Relationship between Sirt1 expression and mitochondrial proteins during conditions of chronic muscle use and disuse. Journal of Applied Physiology, 2009, 107, 1730-1735.	1.2	54
118	The role of PGC-1Î± on mitochondrial function and apoptotic susceptibility in muscle. American Journal of Physiology - Cell Physiology, 2009, 297, C217-C225.	2.1	148
119	Interactions between ROS and AMP kinase activity in the regulation of PGC-1Î± transcription in skeletal muscle cells. American Journal of Physiology - Cell Physiology, 2009, 296, C116-C123.	2.1	306
120	Specific attenuation of protein kinase phosphorylation in muscle with a high mitochondrial content. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E749-E758.	1.8	41
121	Ageâ€associated mitochondrial dysfunction in skeletal muscle: Contributing factors and suggestions for longâ€term interventions. IUBMB Life, 2009, 61, 201-214.	1.5	57
122	Diminished contractionâ€induced intracellular signaling towards mitochondrial biogenesis in aged skeletal muscle. Aging Cell, 2009, 8, 394-404.	3.0	69
123	Mechanisms of exercise-induced mitochondrial biogenesis in skeletal muscleThis paper is one of a selection of papers published in this Special Issue, entitled 14th International Biochemistry of Exercise ConferenceÂâ€“ Muscles as Molecular and Metabolic Machines, and has undergone the Journalâ€™s usual peer review process.. Applied Physiology, Nutrition and Metabolism, 2009, 34, 465-472.	0.9	189
124	Molecular basis for an attenuated mitochondrial adaptive plasticity in aged skeletal muscle. Aging, 2009, 1, 818-830.	1.4	77
125	Mitochondrial function and apoptotic susceptibility in aging skeletal muscle. Aging Cell, 2008, 7, 2-12.	3.0	357
126	Mitochondria in Skeletal Muscle. Exercise and Sport Sciences Reviews, 2008, 36, 116-121.	1.6	33

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127	Exercise induces a cardiac mitochondrial phenotype that resists apoptotic stimuli. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H928-H935.	1.5	130
128	Kinase-specific responsiveness to incremental contractile activity in skeletal muscle with low and high mitochondrial content. American Journal of Physiology - Endocrinology and Metabolism, 2008, 295, E195-E204.	1.8	36
129	Effect of prior chronic contractile activity on mitochondrial function and apoptotic protein expression in denervated muscle. Journal of Applied Physiology, 2008, 105, 114-120.	1.2	39
130	Thyroid hormone (T₃) rapidly activates p38 and AMPK in skeletal muscle in vivo. Journal of Applied Physiology, 2008, 104, 178-185.	1.2	65
131	AMP-Activated Protein Kinase-Regulated Activation of the PGC-1Î± Promoter in Skeletal Muscle Cells. PLoS ONE, 2008, 3, e3614.	1.1	175
132	Mitochondrial protein import and assembly dynamics in response to chronic contractile activity in skeletal muscle of young and aged animals. FASEB Journal, 2008, 22, 1163.17.	0.2	0
133	Plasticity of aged skeletal muscle: chronic contractile activityâ€induced adaptations in muscle and mitochondrial function. FASEB Journal, 2008, 22, 754.9.	0.2	0
134	Apoptotic susceptibility, muscle and mitochondrial perturbations in skeletal muscle of p53 wildâ€type (WT) and knockout (KO) mice. FASEB Journal, 2008, 22, 754.10.	0.2	0
135	Evaluation of whole muscle apoptotic susceptibility in young and old animals. FASEB Journal, 2008, 22, 1163.16.	0.2	0
136	The effect of training on the expression of mitochondrial biogenesis- and apoptosis-related proteins in skeletal muscle of patients with mtDNA defects. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E672-E680.	1.8	61
137	Effect of chronic contractile activity on SS and IMF mitochondrial apoptotic susceptibility in skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E748-E755.	1.8	60
138	Effect of denervation on mitochondrially mediated apoptosis in skeletal muscle. Journal of Applied Physiology, 2007, 102, 1143-1151.	1.2	203
139	Exercise-induced mitochondrial biogenesis in skeletal muscle. Nutrition, Metabolism and Cardiovascular Diseases, 2007, 17, 332-337.	1.1	40
140	Negligible direct lactate oxidation in subsarcolemmal and intermyofibrillar mitochondria obtained from red and white rat skeletal muscle. Journal of Physiology, 2007, 582, 1317-1335.	1.3	72
141	Exercise-Induced Mitochondrial Biogenesis in Skeletal Muscle. , 2007, , 37-60.		2
142	Mitochondrial function and protein expression profile in skeletal muscle from PGCâ€1Î± null mice. FASEB Journal, 2007, 21, A938.	0.2	0
143	Diminished contractionâ€induced intracellular signaling in aged fastâ€twitch skeletal muscle with low and high mitochondrial content. FASEB Journal, 2007, 21, A1206.	0.2	0
144	Effects of prior chronic contractile activity on subsequent denervationâ€induced apoptosis in skeletal muscle. FASEB Journal, 2007, 21, A938.	0.2	0

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145	Tom40 import and TOM complex assembly kinetics in subsarcolemmal and intermyofibrillar mitochondria. FASEB Journal, 2007, 21, A1302.	0.2	0
146	Differential expression of genes controlling mitochondrial biogenesis during C2C12 differentiation. FASEB Journal, 2007, 21, A662.	0.2	0
147	Skeletal muscle stem cells: a symposium. Applied Physiology, Nutrition and Metabolism, 2006, 31, 771-772.	0.9	1
148	Coordination of metabolic plasticity in skeletal muscle. Journal of Experimental Biology, 2006, 209, 2265-2275.	0.8	301
149	Control of gene expression and mitochondrial biogenesis in the muscular adaptation to endurance exercise. Essays in Biochemistry, 2006, 42, 13-29.	2.1	91
150	Regulation of the NAD + â€dependent histone deacetylase Sirt1 in conditions of muscle use and disuse. FASEB Journal, 2006, 20, A389.	0.2	0
151	Effect of denervation on mitochondrial function and the expression of apoptotic related proteins. FASEB Journal, 2006, 20, A388.	0.2	0
152	Comparison of skeletal muscle mitochondrial properties isolated by protease digestion and mechanical homogenization. FASEB Journal, 2006, 20, .	0.2	0
153	AMPâ€activated protein kinaseâ€regulated activation of the PGCâ€1Î± promoter in skeletal muscle cells. FASEB Journal, 2006, 20, A389.	0.2	0
154	Tissueâ€specific regulation of cell signaling by acute thyroid hormone treatment in vivo. FASEB Journal, 2006, 20, A821.	0.2	0
155	Mechanisms of Mitochondrial Disease and the Role of Exercise: A Symposium. Medicine and Science in Sports and Exercise, 2005, 37, 2084-2085.	0.2	1
156	How is Mitochondrial Biogenesis Affected in Mitochondrial Disease?. Medicine and Science in Sports and Exercise, 2005, 37, 2102-2110.	0.2	36
157	Differential susceptibility of subsarcolemmal and intermyofibrillar mitochondria to apoptotic stimuli. American Journal of Physiology - Cell Physiology, 2005, 289, C994-C1001.	2.1	141
158	Application of Animal Models: Chronic Electrical Stimulation-Induced Contractile Activity. Applied Physiology, Nutrition, and Metabolism, 2005, 30, 625-643.	1.7	37
159	Regulation of Egr-1, SRF, and Sp1 mRNA expression in contracting skeletal muscle cells. Journal of Applied Physiology, 2004, 97, 2207-2213.	1.2	40
160	Tissue-specific regulation of cytochromecoxidase subunit expression by thyroid hormone. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E968-E974.	1.8	55
161	Calcium-regulated changes in mitochondrial phenotype in skeletal muscle cells. American Journal of Physiology - Cell Physiology, 2004, 286, C1053-C1061.	2.1	56
162	Mitochondrial assembly: protein import. Proceedings of the Nutrition Society, 2004, 63, 293-300.	0.4	35

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163	Role of UCP3 in state 4 respiration during contractile activity-induced mitochondrial biogenesis. Journal of Applied Physiology, 2004, 97, 976-983.	1.2	40
164	Compensatory responses of protein import and transcription factor expression in mitochondrial DNA defects. American Journal of Physiology - Cell Physiology, 2004, 286, C867-C875.	2.1	67
165	Plasticity of Skeletal Muscle Mitochondria in Response to Contractile Activity. Experimental Physiology, 2003, 88, 99-107.	0.9	139
166	Regulation of Mitochondrial Biogenesis in Muscle by Endurance Exercise. Sports Medicine, 2003, 33, 783-793.	3.1	159
167	Origins and Consequences of Mitochondrial Variation in Vertebrate Muscle. Annual Review of Physiology, 2003, 65, 177-201.	5.6	75
168	PPARÎ³ coactivator-1Î± expression during thyroid hormone- and contractile activity-induced mitochondrial adaptations. American Journal of Physiology - Cell Physiology, 2003, 284, C1669-C1677.	2.1	280
169	Mitochondrial Biogenesis and the Role of the Protein Import Pathway. Medicine and Science in Sports and Exercise, 2003, 35, 86-94.	0.2	45
170	Apoptosis in Heart and Skeletal Muscle. Applied Physiology, Nutrition, and Metabolism, 2002, 27, 349-395.	1.7	132
171	Events upstream of mitochondrial protein import limit the oxidative capacity of fibroblasts in multiple mitochondrial disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2002, 1586, 146-154.	1.8	12
172	Selected Contribution: Effects of contractile activity on mitochondrial transcription factor A expression in skeletal muscle. Journal of Applied Physiology, 2001, 90, 389-396.	1.2	141
173	Invited Review: Contractile activity-induced mitochondrial biogenesis in skeletal muscle. Journal of Applied Physiology, 2001, 90, 1137-1157.	1.2	600
174	Contractile Activity-induced Transcriptional Activation of Cytochrome c Involves Sp1 and Is Proportional to Mitochondrial ATP Synthesis in C2C12 Muscle Cells. Journal of Biological Chemistry, 2001, 276, 15898-15904.	1.6	53
175	Tom20-mediated mitochondrial protein import in muscle cells during differentiation. American Journal of Physiology - Cell Physiology, 2000, 279, C1393-C1400.	2.1	40
176	Effect of contractile activity on protein turnover in skeletal muscle mitochondrial subfractions. Journal of Applied Physiology, 2000, 88, 1601-1606.	1.2	24
177	Assembly of the cellular powerhouse: current issues in muscle mitochondrial biogenesis. Exercise and Sport Sciences Reviews, 2000, 28, 68-73.	1.6	44
178	Cytochrome c transcriptional activation and mRNA stability during contractile activity in skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 1999, 277, E26-E32.	1.8	22
179	Zidovudine (AZT) induced alterations in mitochondrial biogenesis in rat striated muscles. Canadian Journal of Physiology and Pharmacology, 1999, 77, 29-35.	0.7	12
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